

Fig. 1

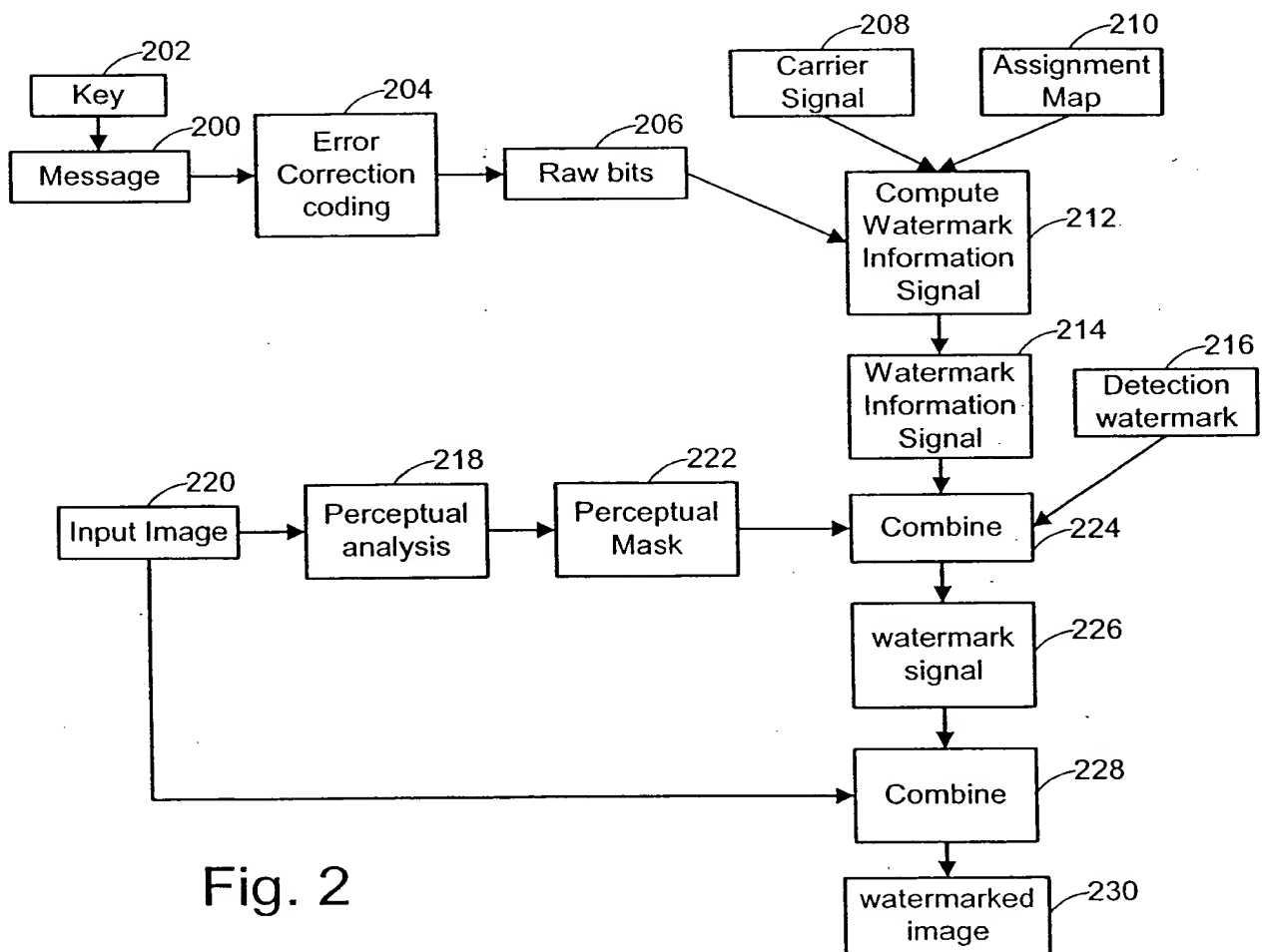
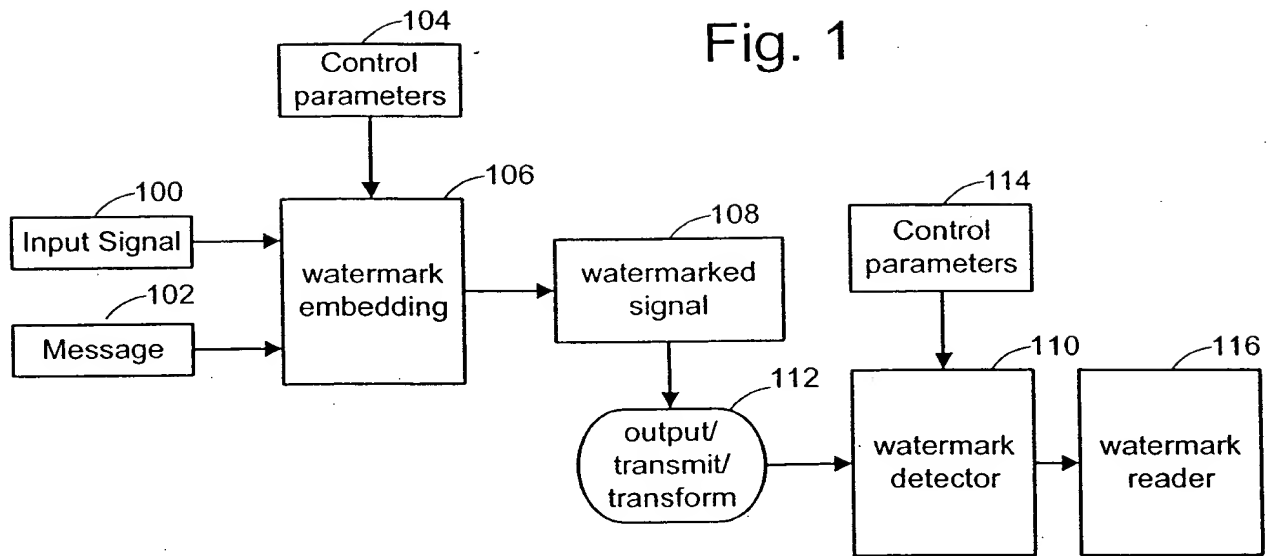


Fig. 2

One Quadrant Spatial
Transform Domain

Fig. 3

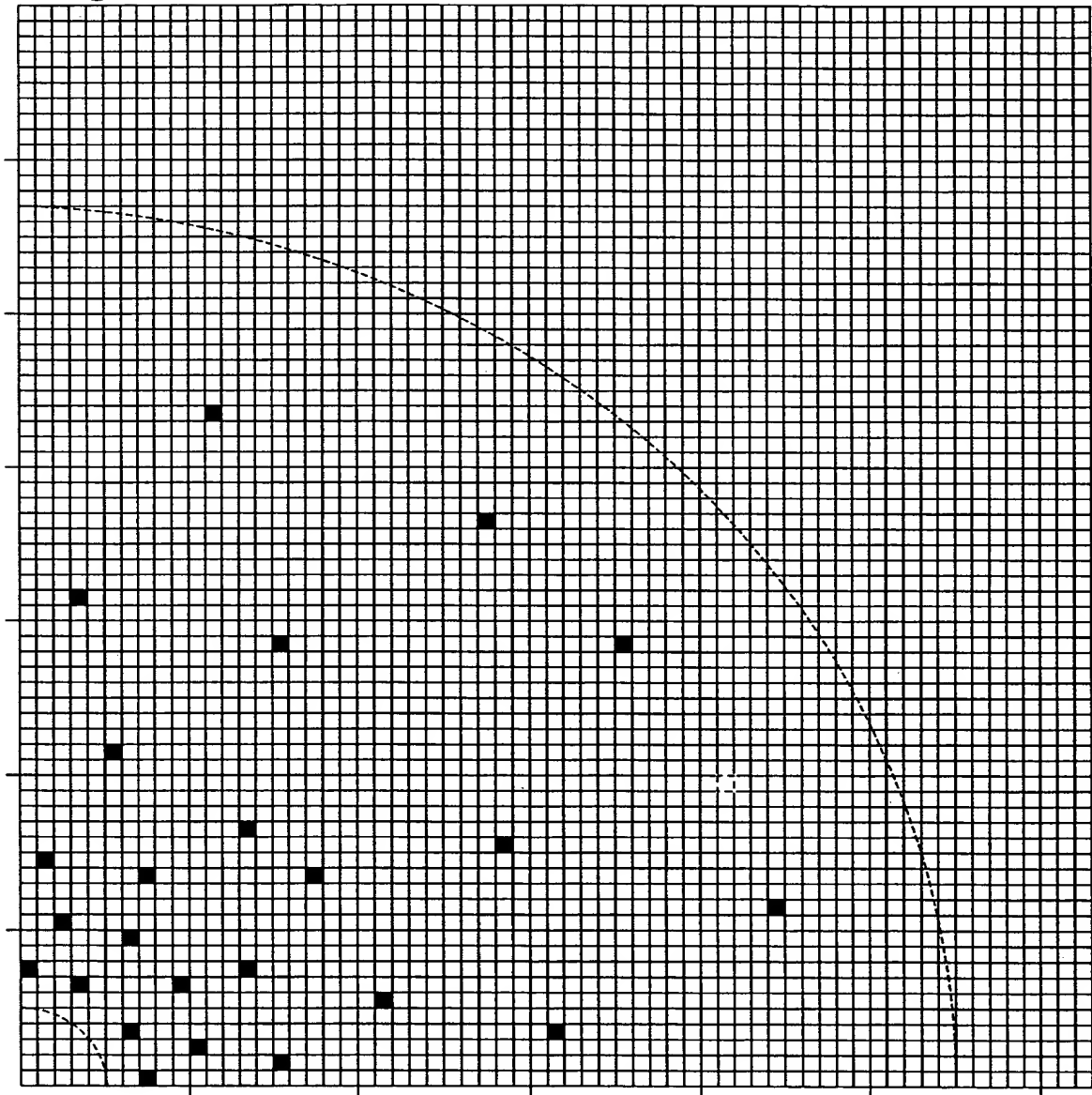


Fig. 4

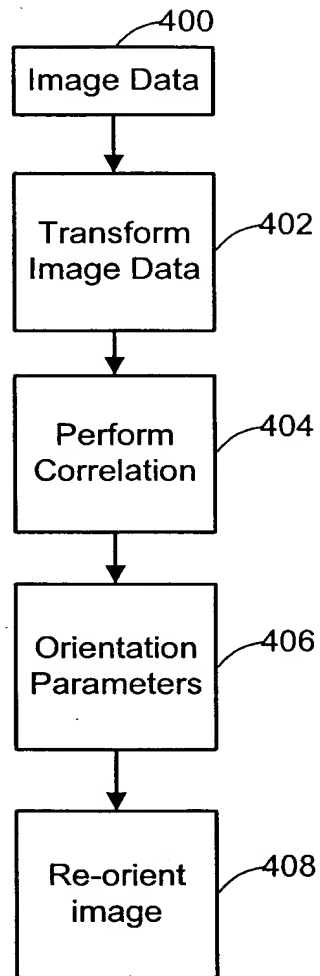
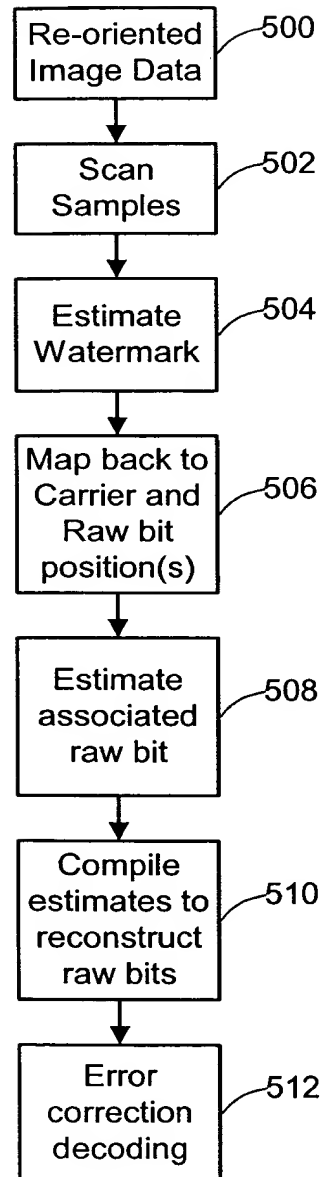


Fig. 5



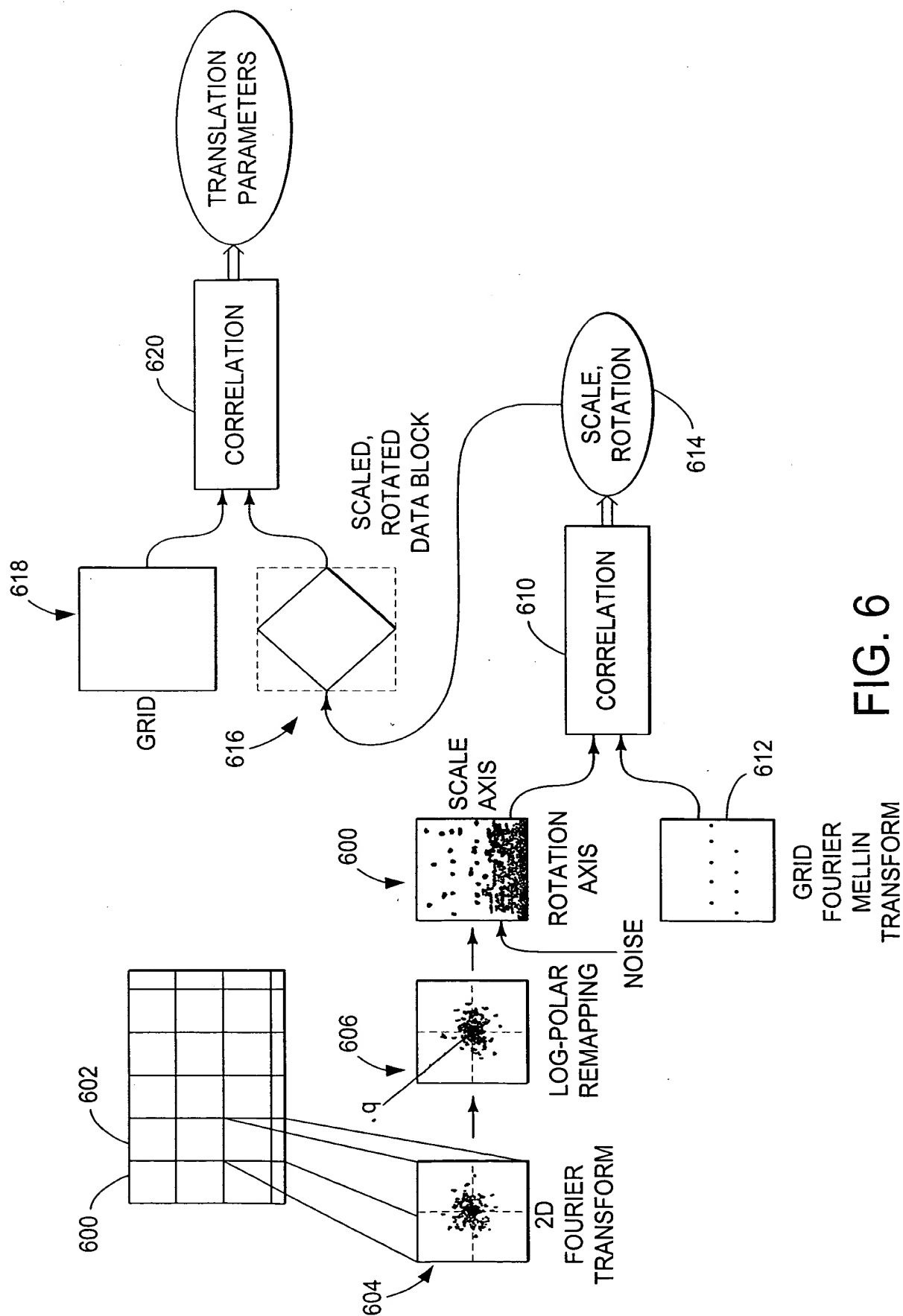
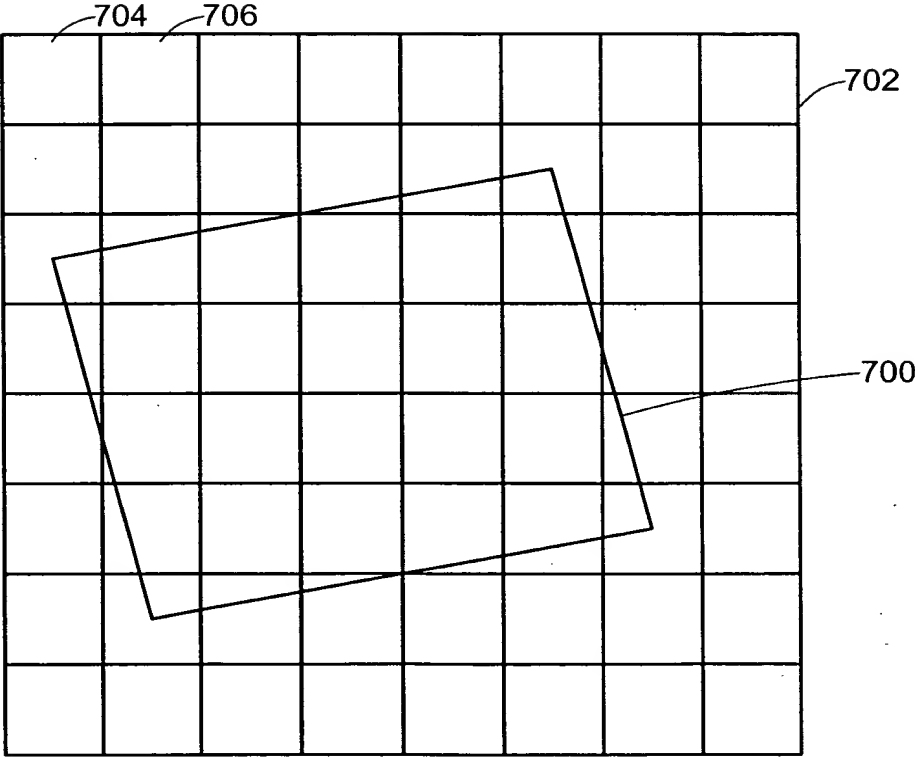


FIG. 6

Fig. 7



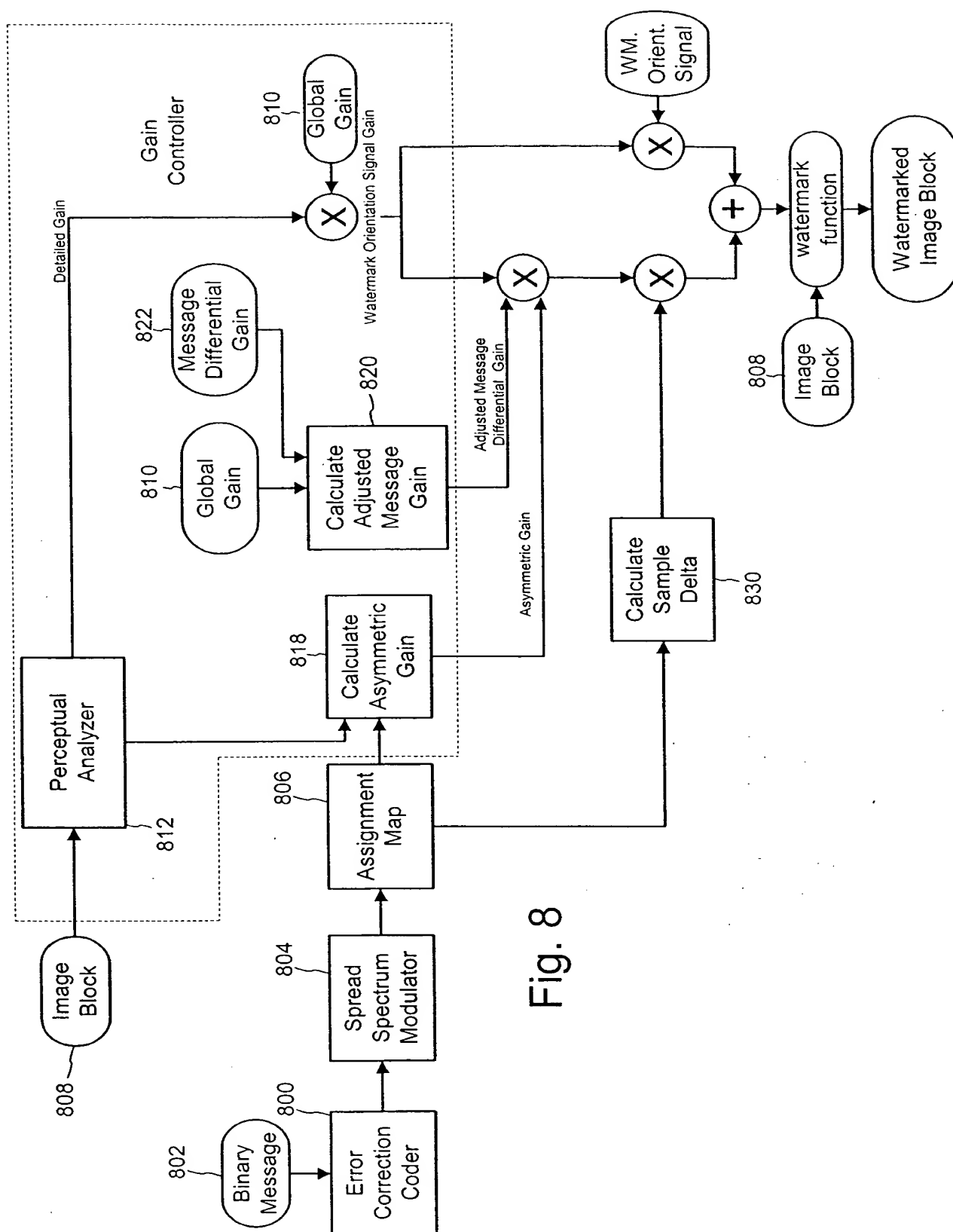
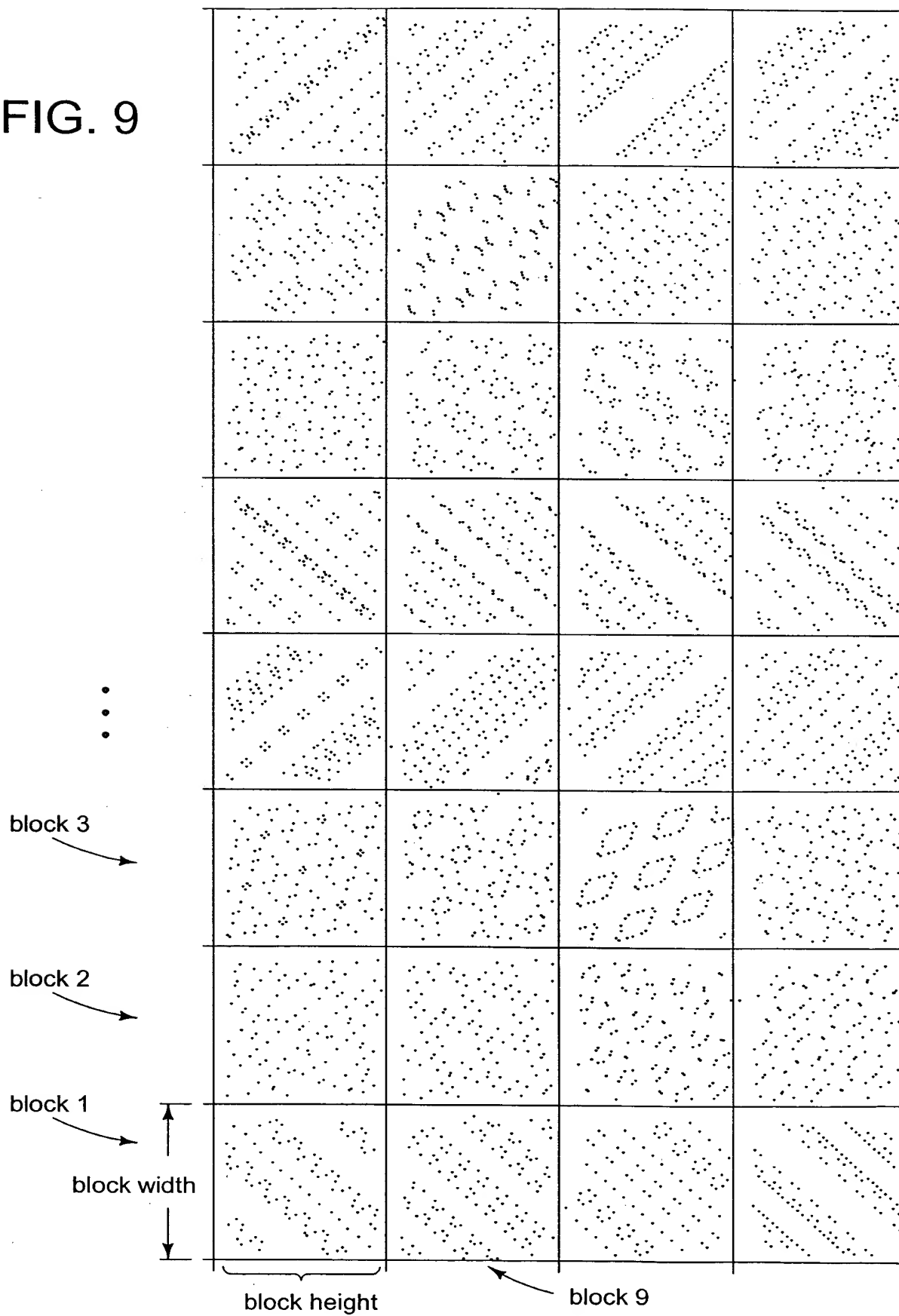


FIG. 9



MAGNITUDE OF WATERMARK ORIENTATION SIGNAL
IN FREQUENCY DOMAIN

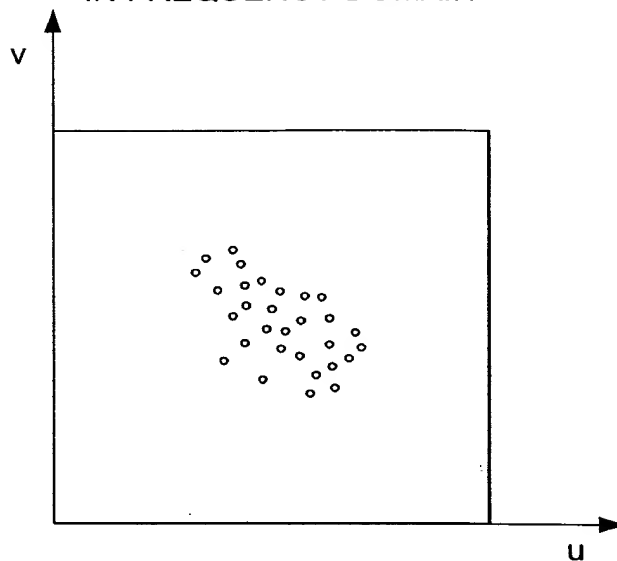


FIG. 10

REAL VALUE OF WATERMARK ORIENTATION SIGNAL
IN SPATIAL DOMAIN

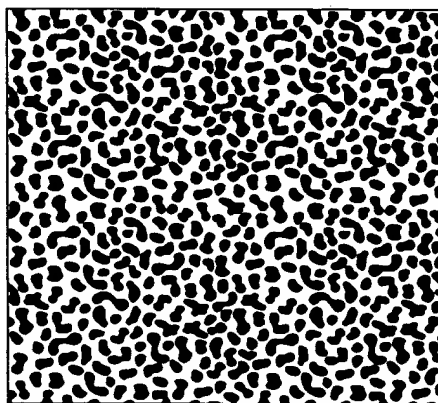


FIG. 11

Fig. 12

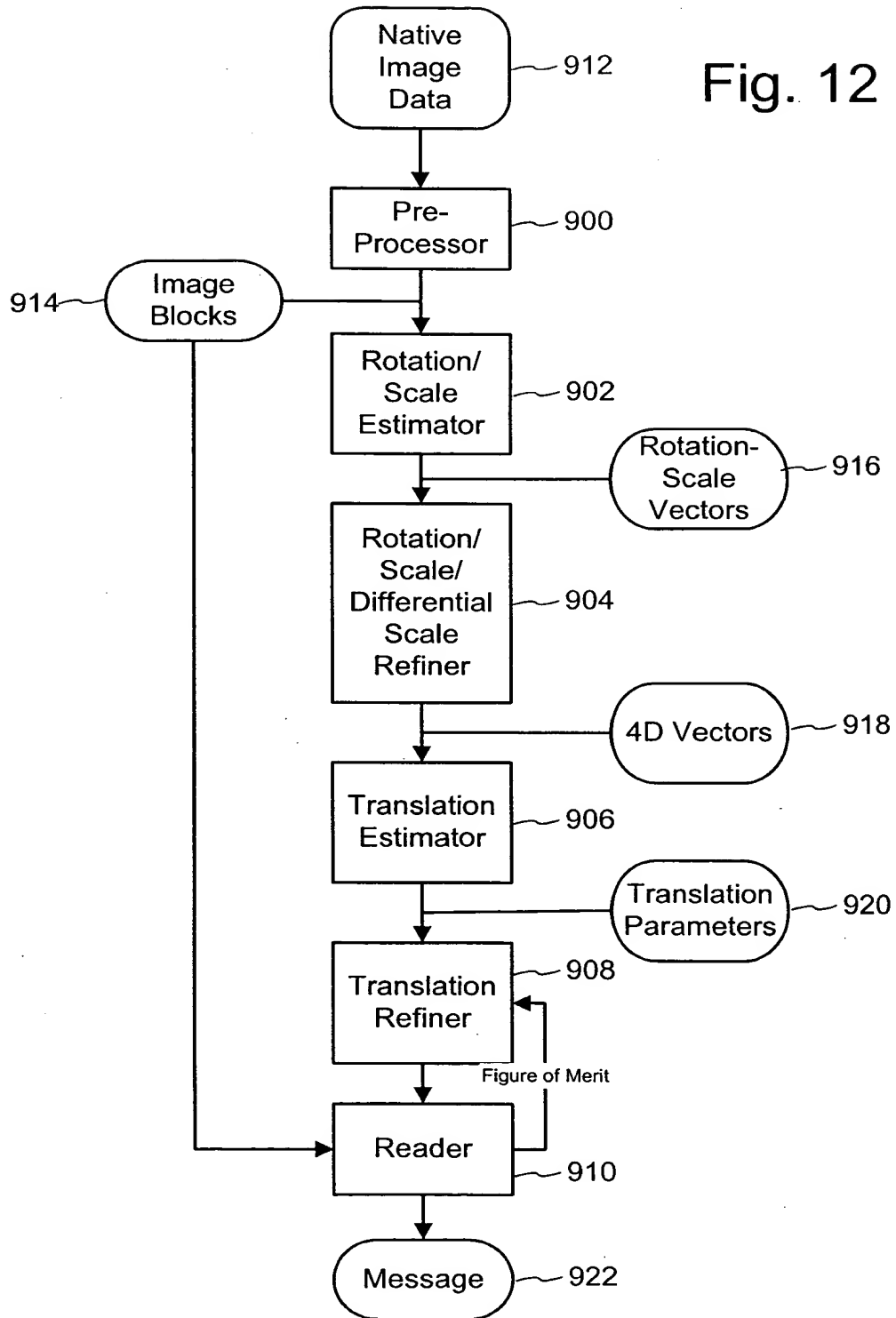


Fig. 13

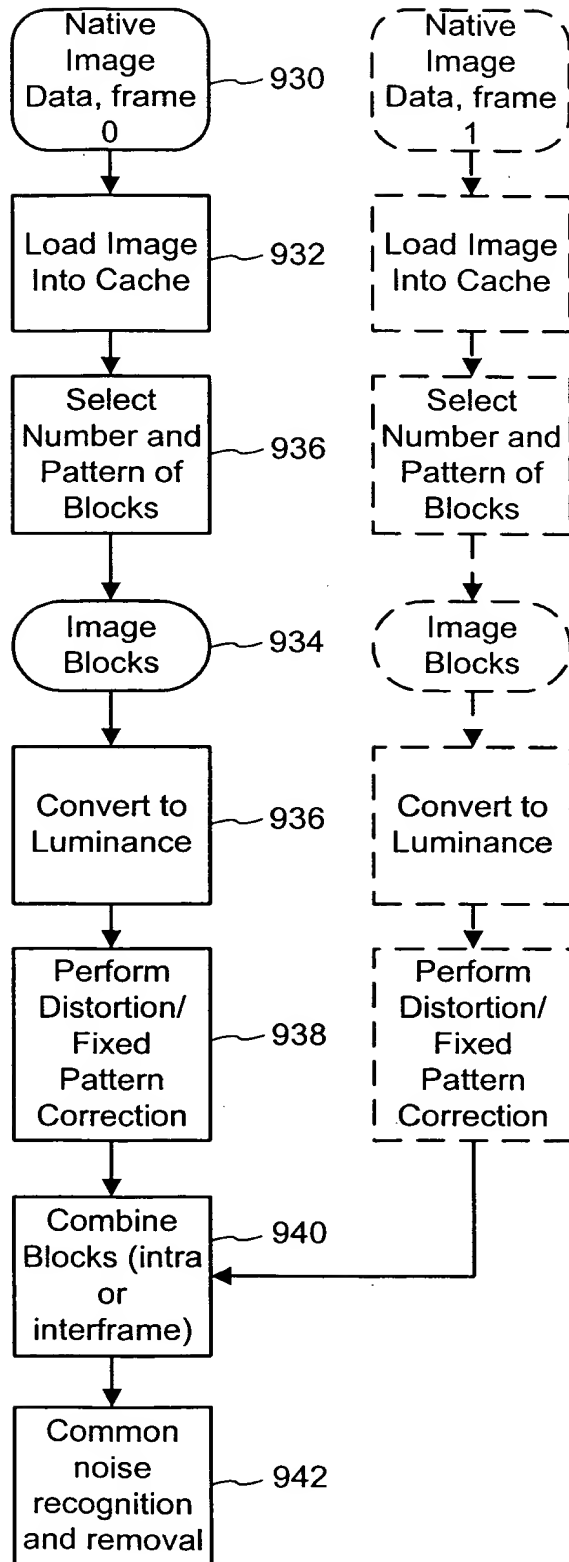
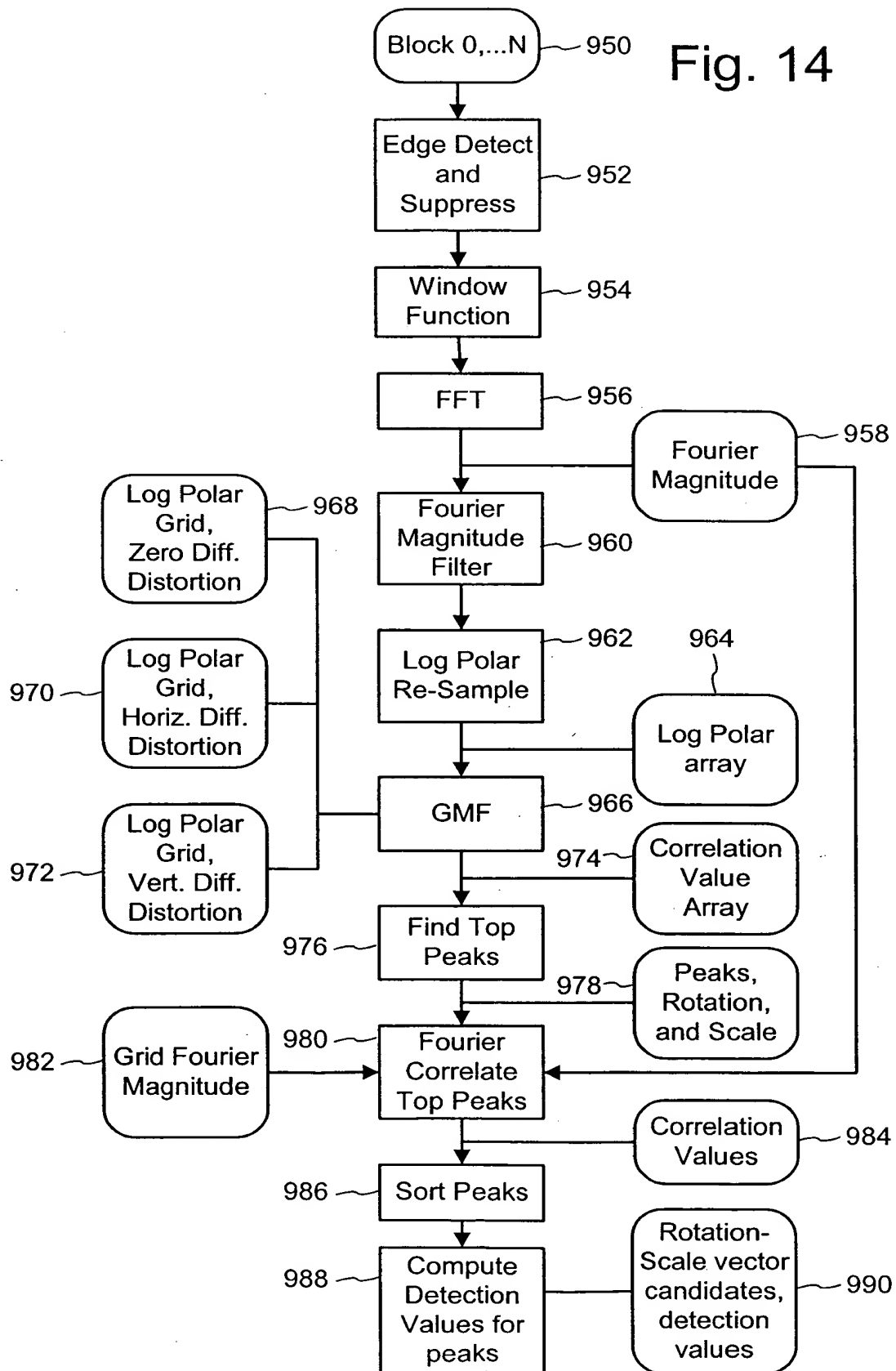


Fig. 14



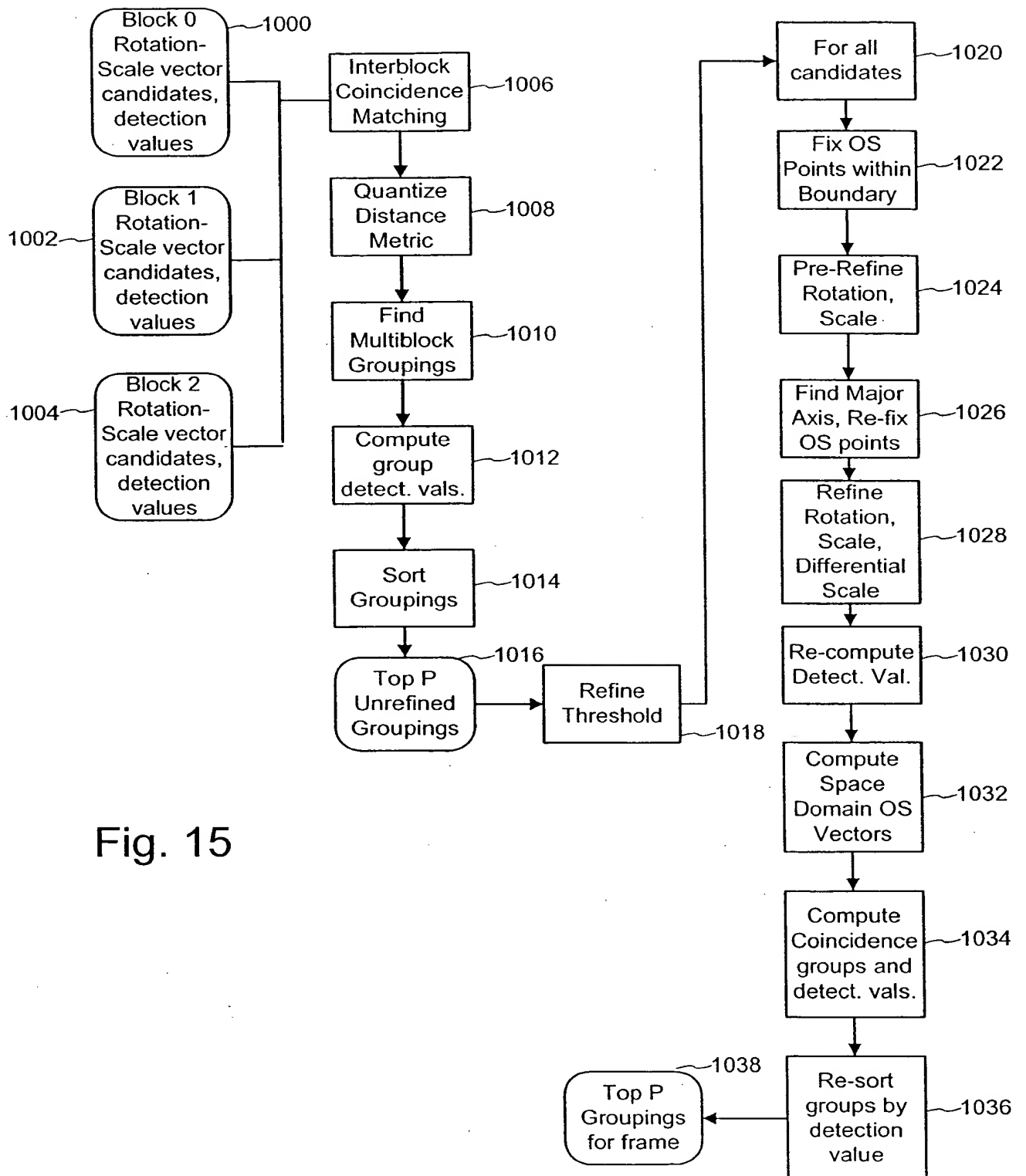
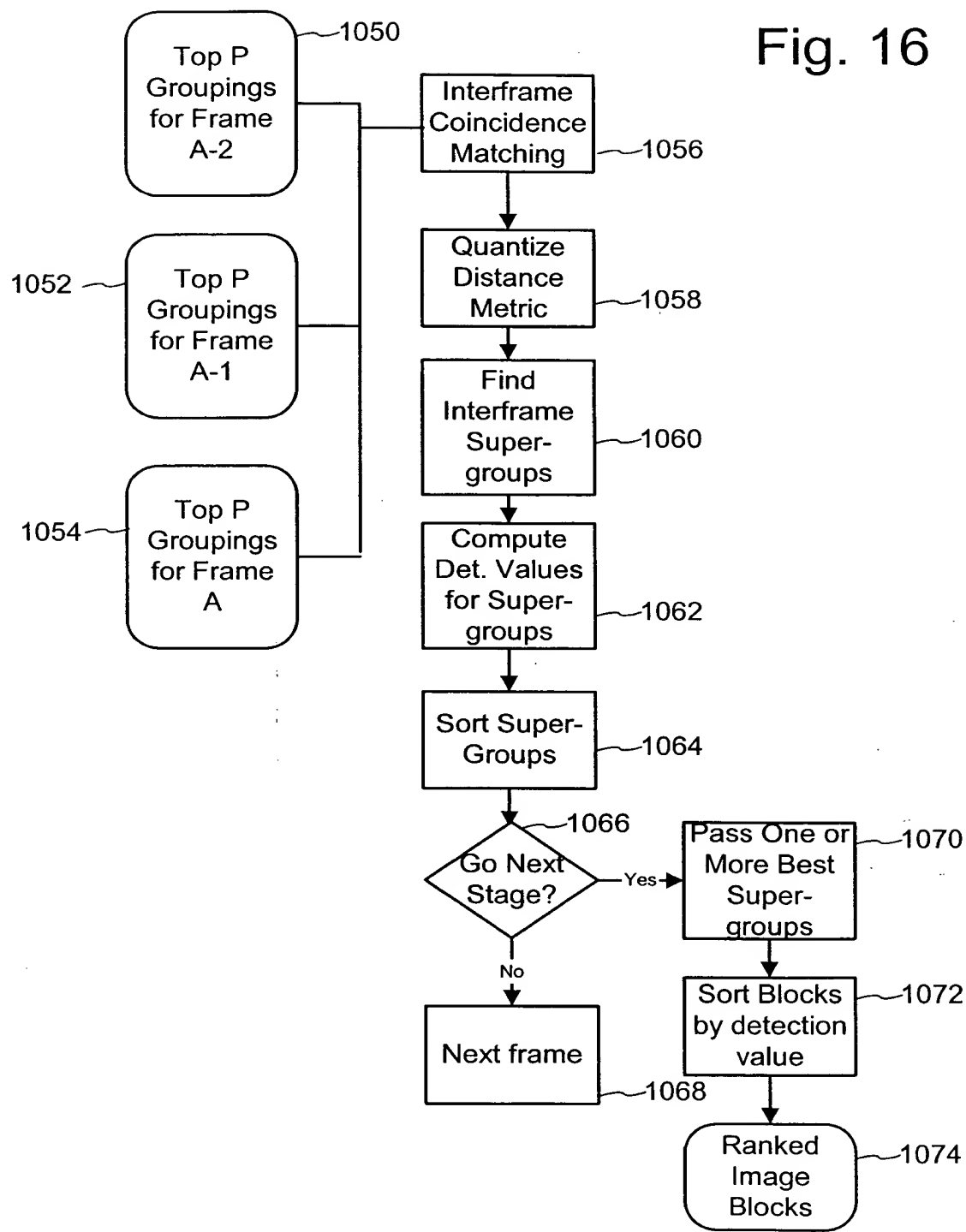


Fig. 15

Fig. 16



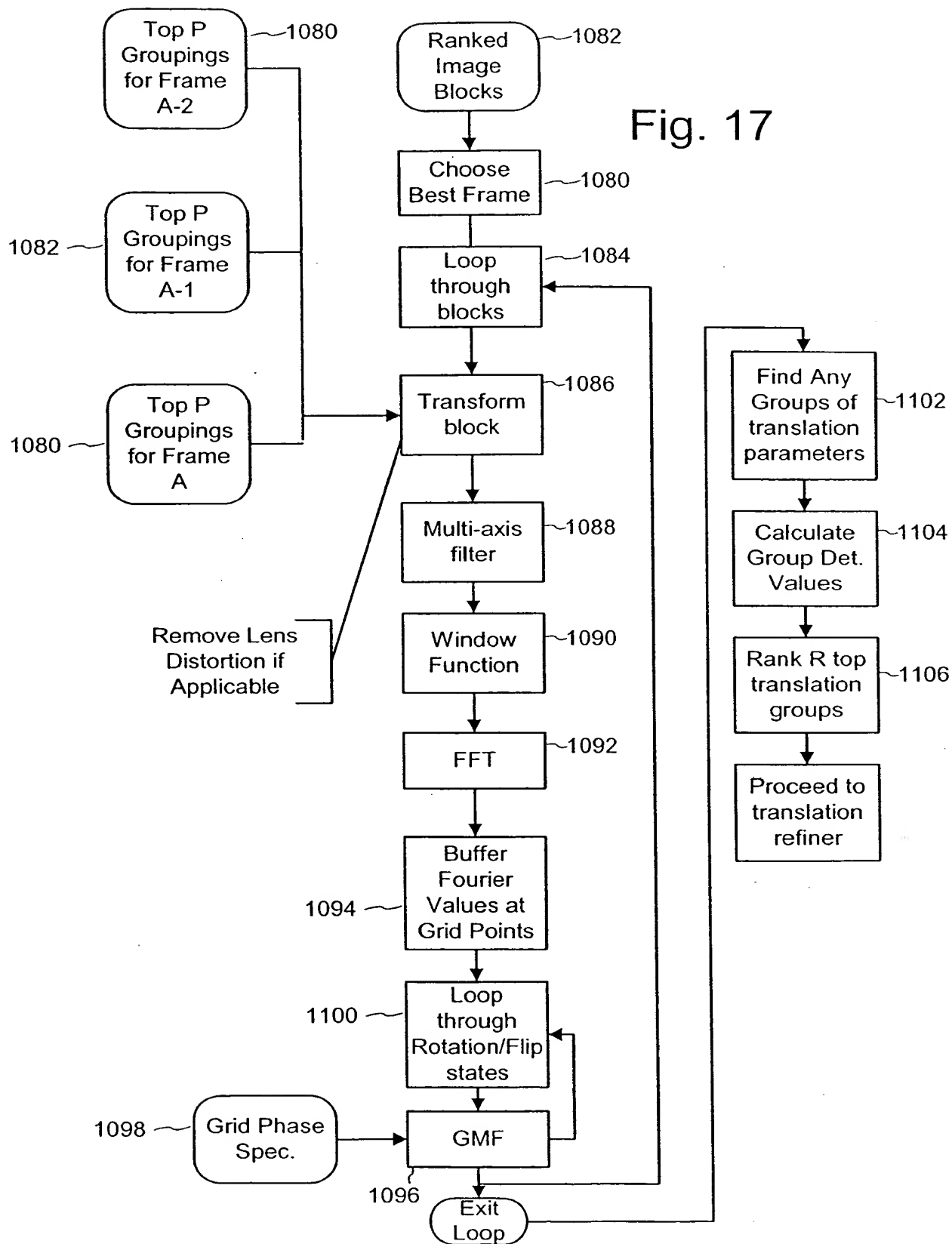


Fig. 18

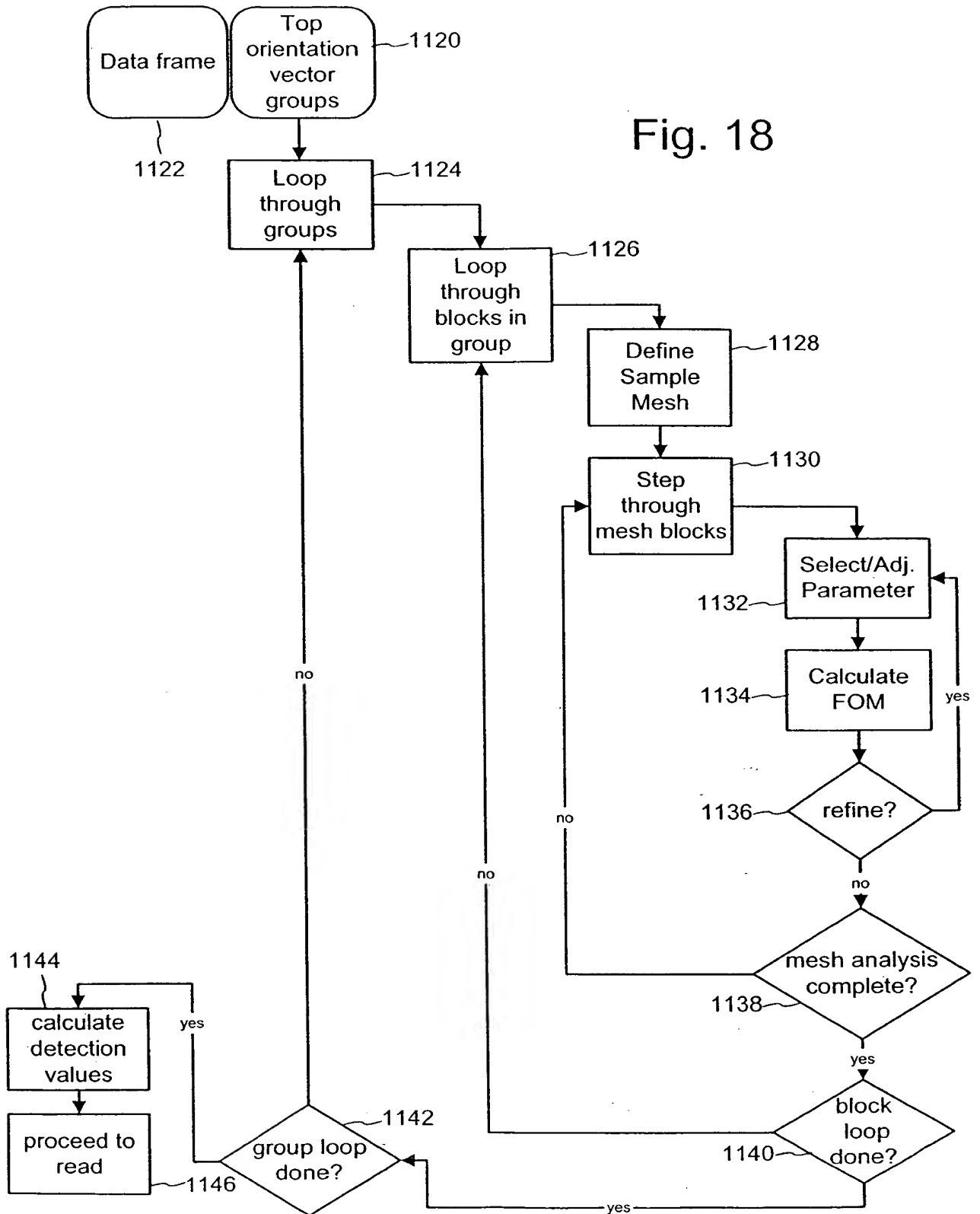


Fig. 19

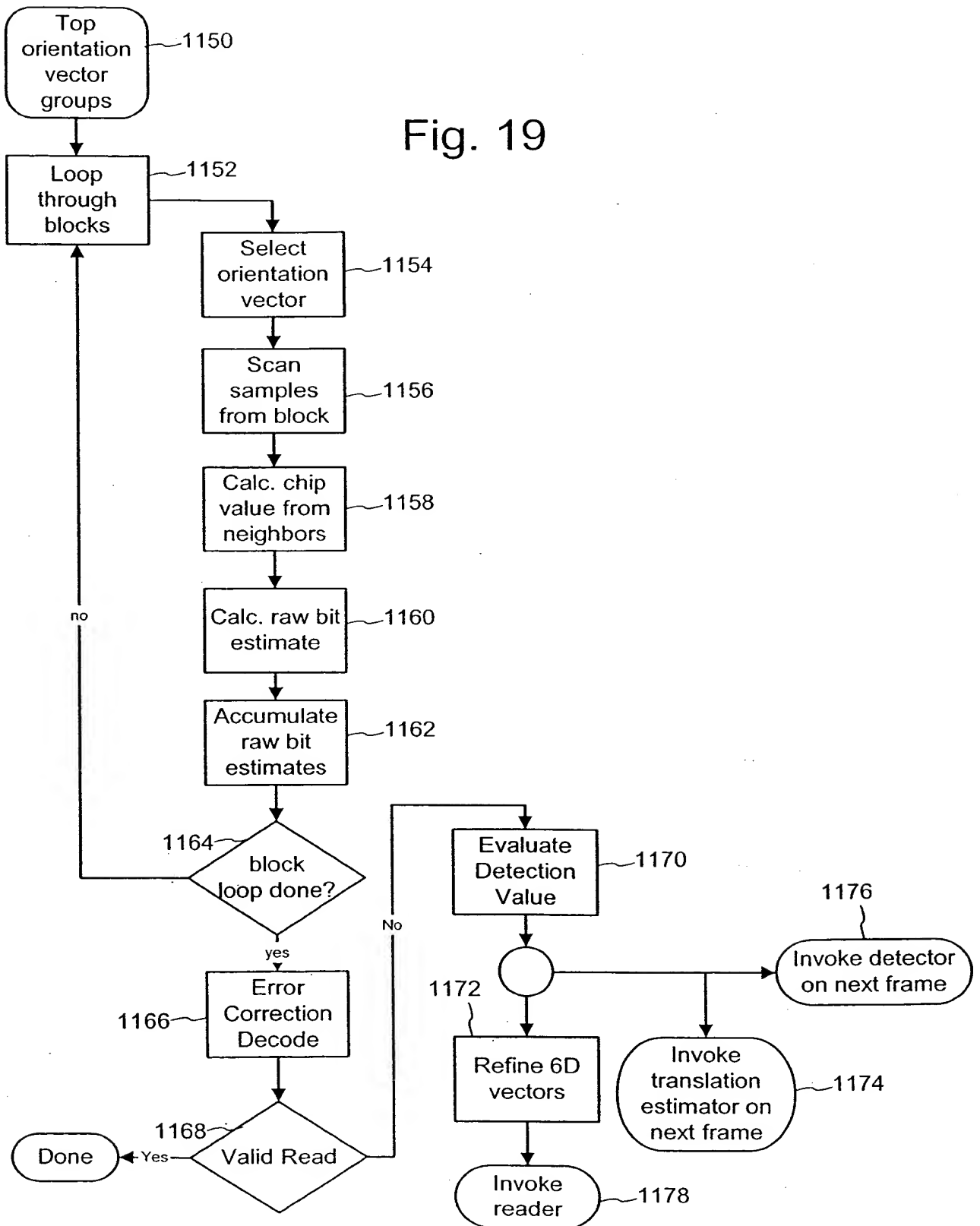
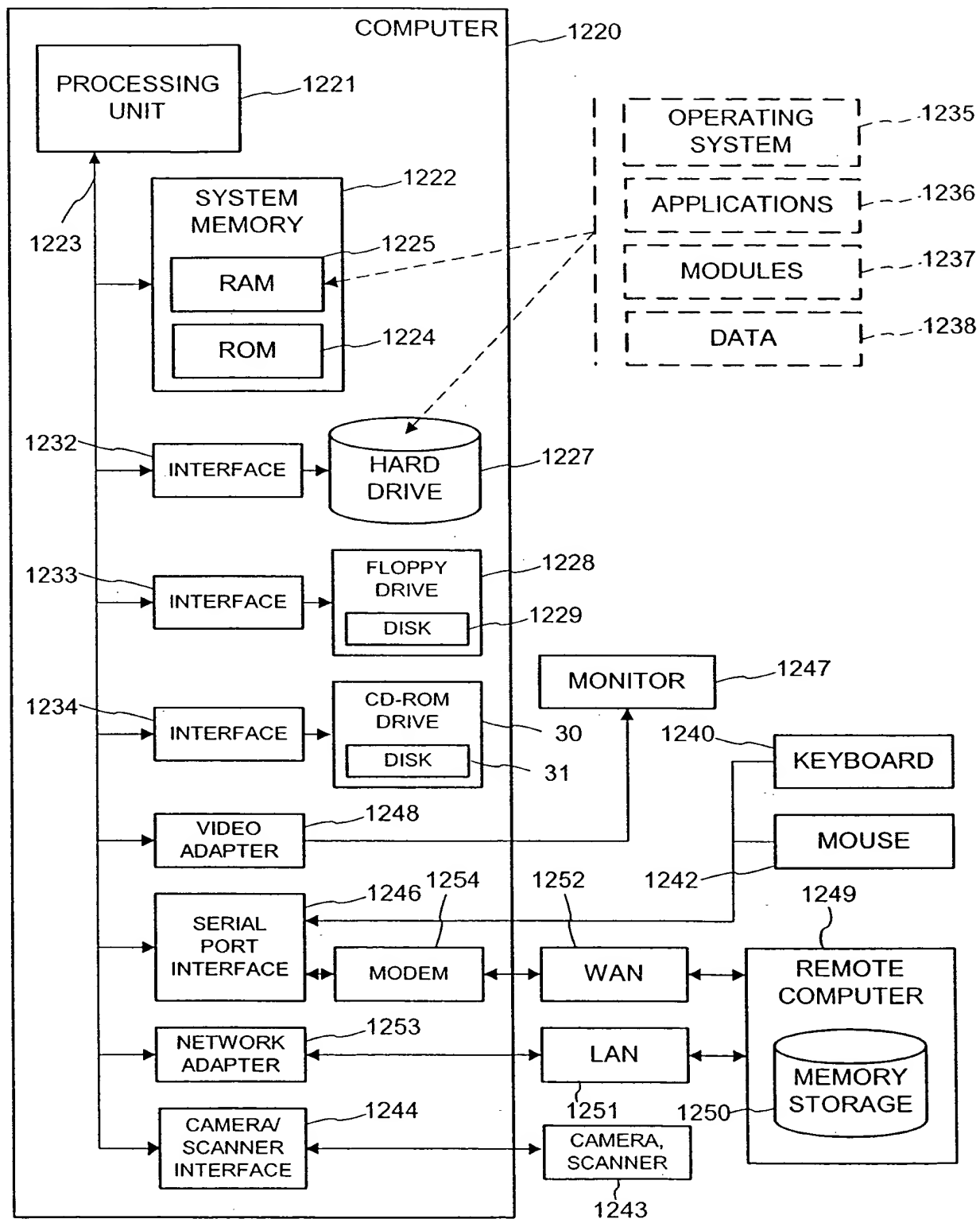


FIG. 20



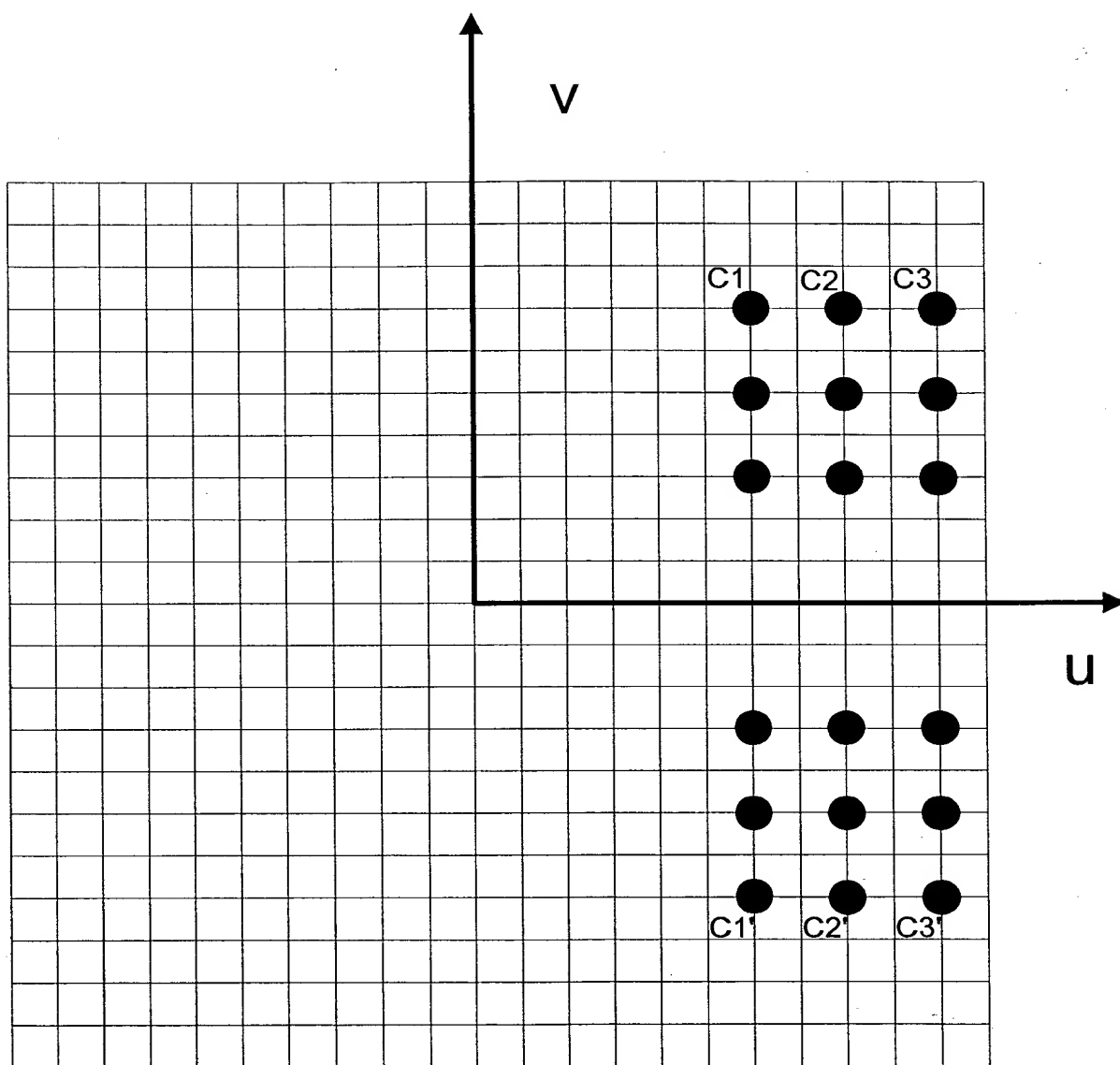


Fig. 21